

FORM PTO 1390 (REV 5-93)		US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NUMBER 2005_1620A
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. §371			U.S. APPLICATION NO. (if known, include PCT No.) NEW <b>10/552343</b>
International Application No. PCT/GB2004/001596	International Filing Date April 13, 2004	Priority Date Claimed April 10, 2003	
Title of Invention ATHERMALISATION OF TUNEABLE LASERS			
Applicant(s) For DO/EO/US Alwyn SEEDS et al.			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. §371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. §371.</li> <li><input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1).</li> <li><input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. §371(c)(2)) <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <b>ATTACHMENT A</b></li> <li><input type="checkbox"/> has been transmitted by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li><input type="checkbox"/> A translation of the International Application into English (35 U.S.C. §371(c)(2)).</li> <li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3)). <ol style="list-style-type: none"> <li><input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input type="checkbox"/> have been transmitted by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19.</li> <li><input checked="" type="checkbox"/> An (UNEXECUTED) oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)). <b>ATTACHMENT B</b></li> <li><input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).</li> </ol>			
Items 11. to 14. below concern other document(s) or information included:			
<ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <b>ATTACHMENT C</b></li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input checked="" type="checkbox"/> A FIRST preliminary amendment. <b>ATTACHMENT D</b>  <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> <li><input checked="" type="checkbox"/> Other items or information:  Request (PCT/RO/101) - <b>ATTACHMENT E</b>  International Preliminary Report on Patentability (PCT/IPEA/409) - <b>ATTACHMENT F</b>  Written Opinion of the International Search Authority (PCT/ISA/237) - <b>ATTACHMENT G</b></li> </ol>			

1020 Rec'd PCT/PTO 07 OCT 2005

U.S. APPLICATION NO. (if known, fill in) NEW <b>10/552343</b>		INTERNATIONAL APPLICATION NO. PCT/GB2004/001596		ATTORNEY'S DOCKET NO. 2005_1620A	
15. [X] The following fees are submitted				CALCULATIONS	PTO USE ONLY
Basic National Stage Fee ..... \$300.00 National Stage Search Fee ..... \$400.00 National Stage Examination Fee ..... \$200.00 Specification/drawings in excess of 100 pages (units of 50 x \$250.00) = ..... \$					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>					
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
Claims	Number Filed	Number Extra	Rate		
Total Claims	24 -20 =	4	X \$50.00	\$200.00	
Independent Claims	2 - 3 =		X \$200.00	\$	
Multiple dependent claim(s) (if applicable)			+ \$360.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1,100.00	
<input type="checkbox"/> Small Entity Status is hereby asserted. Above fees are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$1,100.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$
<b>TOTAL NATIONAL FEE =</b>				\$1,100.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property				+	\$
<b>TOTAL FEES ENCLOSED =</b>				\$1,100.00	
				Amount to be refunded	\$
				Amount to be charged	\$
a. [X] A check in the amount of <u>\$1,100.00</u> to cover the above fees is enclosed. A duplicate copy of this form is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 23-0975 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-0975</u> .					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>					
19. CORRESPONDENCE ADDRESS   <div style="text-align: center;">           CUSTOMER NO.  <b>000513</b> </div>			By: <u>David M. Ovedovitz</u> David M. Ovedovitz, Registration No. 45,336 for Charles R. Watts, Registration No. 33,142  WENDEROTH, LIND & PONACK, L.L.P. 2033 "K" Street, N.W., Suite 800 Washington, D.C. 20006-1021 Phone: (202) 721-8200 Fax: (202) 721-8250  October 7, 2005		

[CHECK NO. 70550]  
 [2005\_1620A]

JC20 Rec'd PCT/PTO 07 OCT 2009

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Alwyn SEEDS et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2005\_1620A  
Filed October 7, 2005 :  
ATHERMALISATION OF TUNEABLE LASERS  
[Corresponding to PCT/GB2004/001596  
Filed April 13, 2004]

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

**COVER LETTER FOR APPLICATION FILED  
WITHOUT EXECUTED DECLARATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The above-identified application has been submitted without an executed oath or declaration.

It is respectfully requested that this application be assigned a serial number and awarded a filing date.

A duly executed oath or declaration pursuant to 37 CFR 1.63 will be submitted after notification by the U.S. Patent and Trademark Office.

A non-executed copy of the Declaration and Power of Attorney, containing the inventorship information, is attached. It is respectfully requested that all communications be directed to the firm indicated on the attached Declaration and Power of Attorney, namely:

WENDEROTH, LIND & PONACK, L.L.P.  
2033 K Street, N.W., Suite 800  
Washington, D.C. 20006-1021

ATTACHMENT B

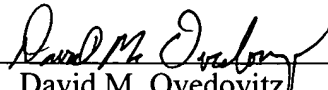
10/552343

JC20 Rec'd PCT/PTO 07 OCT 2005

The required U.S. Patent and Trademark Office Filing Fee is submitted herewith.

Respectfully submitted,

Alwyn SEEDS et al.

By   
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October 7, 2005